Access DB# 185191

CRFE

SEARCH REQUEST FORM

Scientific and Technical Information Center

4/17

Requester's Full Name: DAVID GUZO Examiner #: 70677 Date: 4/13/06
Art Unit: 1636 Phone Number 30 272-0767 Serial Number: 10/764553
Mail Box and Bldg/Room Location: Remsen 2A29 Results Format Preferred (circle): PAPER DISK E-MAIL
Mailbox: 2C70

If more than one search is submitted, please prioritize searches in order of need. MG
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please run a regular plus interference sequence search on SEQ ID NO: 2.

Thanks

RECEIVED
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TECH CENTER 1600/2900
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2-266na
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4/18
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STAFF USE ONLY

Searcher: Port

Type of Search
NA Sequence (#) 1 STN

Vendors and cost where applicable

PALM INTRANET

Day : Thursday
Date: 4/13/2006

Time: 11:36:34

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	First Name	
chatterjee	deepankar	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

```
  Set  Items  Description
      ---  -----  -----------
? set hi ;set hi
HILIGHT set on as ''
HILIGHT set on as ''
? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>>         135 is unauthorized
>>>          44 is unauthorized
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      Set  Items  Description
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? s tuberculosis and rel
          915544  TUBERCULOSIS
           31519  REL
      S1     152  TUBERCULOSIS AND REL
? s s1 and ojha
             152  S1
             106  OJHA
      S2       0  S1 AND OJHA
? s s1 and RelA
             152  S1
           13045  RELA
      S3      27  S1 AND RELA
? rd s3

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
      S4      13  RD S3  (unique items)
? d s4/3/1-13
      Display 4/3/1     (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0012701075   BIOSIS NO.: 200000419388
The stringent response of Mycobacterium tuberculosis is required for
  long-term survival
AUTHOR: Primm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David;
  Rubin Harvey; Barry Clifton E III (Reprint)
AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National
  Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239,
  Rockville, MD, 20852, USA**USA
JOURNAL: Journal of Bacteriology  182 (17): p4889-4898 September, 2000 2000
MEDIUM: print
ISSN: 0021-9193
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

                                - end of record -
?
      Display 4/3/2     (Item 1 from file: 154)
DIALOG(R)File 154:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

15375655   PMID: 15774887
    The relA homolog of Mycobacterium smegmatis affects cell
appearance, viability, and gene expression.
  Dahl John L; Arora Kriti; Boshoff Helena I; Whiteford Danelle C; Pacheco
Sophia A; Walsh Olaus J; Lau-Bonilla Dalia; Davis William B; Garza Anthony
G
  School of Molecular Biosciences, Washington State University, Science
Hall, Room 301, Pullman, WA 99164, USA. johndahl@wsu.edu
  Journal of bacteriology (United States)  Apr 2005, 187 (7) p2439-47,
ISSN 0021-9193--Print  Journal Code: 2985120R
  Contract/Grant No.: AI-75320; AI; NIAID
  Publishing Model Print
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

                                - end of record -
?
      Display 4/3/3     (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
```

143127425 CA: 143(8)127425u JOURNAL
Identification and characterization of rel promoter element of Mycobacterium tuberculosis
AUTHOR(S): Jain, Vikas; Sujatha, Subbanna; Ojha, Anil Kumar; Chatterji, Dipankar
LOCATION: Molecular Biophysics Unit, Indian Institute of Science, Bangalore, 560 012, India
JOURNAL: Gene (Gene) DATE: 2005 VOLUME: 351, PAGES: 149-157 CODEN: GENED6 ISSN: 0378-1119 PUBLISHER ITEM IDENTIFIER: 0378-1119(05)00148-4
LANGUAGE: English PUBLISHER: Elsevier B.V.

- end of record -

?
Display 4/3/4 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

142442913 CA: 142(24)442913e PATENT
Mycobacteria relA gene promoter for high-throughput screening for inhibitors against Mycobacteria under low carbon conditions
INVENTOR(AUTHOR): Chatterjee, Deepankar
LOCATION: USA
ASSIGNEE: Council of Scientific & Industrial Research
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505
APPLICATION: US 2004764553 (20040127) *US 2003PV442511 (20030127)
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B; G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

?
Display 4/3/5 (Item 1 from file: 24)
DIALOG(R)File 24:CSA Life Sciences Abstracts

0001989789 IP ACCESSION NO: 4569434
Cloning and characterization of a bifunctional **RelA**/SpoT homologue from Mycobacterium **tuberculosis**

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H
Division of Infectious Diseases, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999
PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English

-more-

?
Display 4/3/5 (Item 1 from file: 24)
DIALOG(R)File 24:CSA Life Sciences Abstracts

SUMMARY LANGUAGE: English
ISSN: 0378-1119
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids Abstracts; Genetics Abstracts

- end of record -

?
Display 4/3/6 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

14182978 Genuine Article#: 947FF No. References: 21
Title: Functional regulation of the opposing (p)ppGpp synthetase/hydrolase activities of **Rel**(Mtb) from Mycobacterium **tuberculosis**
Author(s): Avarbock A; Avarbock D; Teh JS; Buckstein M; Wang ZM; Rubin H (REPRINT)
Corporate Source: Univ Penn,Sch Med, Dept Med, Div Infect Dis,522 Johnson Pavil/Philadelphia//PA/19104 (REPRINT); Univ Penn,Sch Med, Dept Med, Div Infect Dis,Philadelphia//PA/19104(rubinh@mail.med.upenn.edu)
Journal: BIOCHEMISTRY, 2005, V44, N29 (JUL 26), P9913-9923
ISSN: 0006-2960 Publication date: 20050726
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/7 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

12436095 Genuine Article#: 766VD No. References: 18
Title: Deletion of the **rel** gene in Mycobacterium smegmatis reduces its stationary phase survival without altering the cell-surface associated properties
Author(s): Mathew R; Ojha AK; Karande AA; Chatterji D (REPRINT)
Corporate Source: Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/ (REPRINT); Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Dept Biochem,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Jawaharlal Nehru Ctr Adv Sci Res,Bangalore 560064/Karnataka/India/
Journal: CURRENT SCIENCE, 2004, V86, N1 (JAN 10), P149-153
ISSN: 0011-3891 Publication date: 20040110
Publisher: CURRENT SCIENCE ASSN, C V RAMAN AVENUE, PO BOX 8005, BANGALORE 560 080, INDIA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/8 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

10659221 Genuine Article#: 552AP No. References: 51
Title: Intramolecular regulation of the opposing (p)ppGpp catalytic activities of **Rel**(Seq), the **Rel**/Spo enzyme from Streptococcus equisimilis
Author(s): Mechold U; Murphy H; Brown L; Cashel M (REPRINT)
Corporate Source: NICHHD,Genet Mol Lab, NIH,Bldg 6B,Room 3B-314/Bethesda//MD/20892 (REPRINT); NICHHD,Genet Mol Lab, NIH,Bethesda//MD/20892
Journal: JOURNAL OF BACTERIOLOGY, 2002, V184, N11 (JUN), P2878-2888
ISSN: 0021-9193 Publication date: 20020600
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/9 (Item 4 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

09930331 Genuine Article#: 466AH No. References: 96
Title: Comparative genomics and evolution of genes encoding bacterial (p)ppGpp synthetases/hydrolases (the **rel**, **RelA** and SpoT proteins)
Author(s): Mittenhuber G (REPRINT)
Corporate Source: Univ Greifswald,Inst Mikrobiol & Mol Biol,FL Jahnstr 15/D-17487 Greifswald//Germany/ (REPRINT); Univ Greifswald,Inst

Mikrobiol & Mol Biol,D-17487 Greifswald//Germany/
Journal: JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY, 2001, V3, N4 (OCT), P585-600
ISSN: 1464-1801 Publication date: 20011000
Publisher: HORIZON SCIENTIFIC PRESS, PO BOX 1, NORFOLK, WYMONDHAM NR18 0JA, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 4/3/10 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

12629260 EMBASE No: 2004207101
The two NF-kappaB activation pathways and their role in innate and adaptive immunity
Bonizzi G.; Karin M.
G. Bonizzi, Department of Pharmacology, School of Medicine, University of California San Diego, 9500 Gilman Drive, San Diego, CA 92093-0636 United States
AUTHOR EMAIL: giuseppina.bonizzi@ieo-research.it
Trends in Immunology (TRENDS IMMUNOL.) (United Kingdom) 01 JUN 2004, 25/6 (280-288)
CODEN: TIRMA ISSN: 1471-4906
PUBLISHER ITEM IDENTIFIER: S1471490604001000
DOCUMENT TYPE: Journal ; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 64

- end of record -

?
Display 4/3/11 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

11802486 EMBASE No: 2002374605
Respiratory syncytial virus-induced activation of nuclear factor-kappaB in the lung involves alveolar macrophages and toll-like receptor 4-dependent pathways
Haeberle H.A.; Takizawa R.; Casola A.; Brasier A.R.; Dieterich H.-J.; Van Rooijen N.; Gatalica Z.; Garofalo R.P.
Dr. R.P. Garofalo, Dept. of Pediatrics, University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0369 United States
AUTHOR EMAIL: rpgarofa@utmb.edu
Journal of Infectious Diseases (J. INFECT. DIS.) (United States) 01 NOV 2002, 186/9 (1199-1206)
CODEN: JIDIA ISSN: 0022-1899
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 50

- end of record -

?
Display 4/3/12 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs

04045893 H.W. WILSON RECORD NUMBER: BGSA99045893 (USE FORMAT 7 FOR FULLTEXT)
Inorganic polyphosphate: a molecule of many functions.
Kornberg, Arthur
Rao, Narayana N; Ault-Riche, Dana
Annual Review of Biochemistry v. 68 (1999) p. 89-125
SPECIAL FEATURES: bibl il ISSN: 0066-4154
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 14462

- end of record -

?
Display 4/3/13 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01779515 ORDER NO: AADAA-I9989566
Biochemical characterization of **Rel**(Mtb), a dual-function ATP: GTP 3'-pyrophosphoryltransferase and (p)ppGpp 3'-pyrophosphohydrolase: Implications for Mycobacterium **tuberculosis** dormancy
Author: Avarbock, David Howard
Degree: Ph.D.
Year: 2000
Corporate Source/Institution: University of Pennsylvania (0175)
Source: VOLUME 61/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 5289. 173 PAGES
ISBN: 0-599-96616-5

- end of record -

? d s4/9/1
Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0012701075 BIOSIS NO.: 200000419388
The stringent response of Mycobacterium **tuberculosis** is required for long-term survival
AUTHOR: Primm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David; Rubin Harvey; Barry Clifton E III (Reprint)
AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239, Rockville, MD, 20852, USA**USA
JOURNAL: Journal of Bacteriology 182 (17): p4889-4898 September, 2000 2000
MEDIUM: print
ISSN: 0021-9193
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The stringent response utilizes hyperphosphorylated guanine

-more-

?
Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

((p)ppGpp) as a signaling molecule to control bacterial gene expression involved in long-term survival under starvation conditions. In gram-negative bacteria, (p)ppGpp is produced by the activity of the related ***RelA*** and SpoT proteins. Mycobacterium ***tuberculosis*** contains a single homolog of these proteins (RelMtb) and responds to nutrient starvation by producing (p)ppGpp. A relMtb knockout strain was constructed in a virulent strain of M. ***tuberculosis*** , H37Rv, by allelic replacement. The relMtb mutant displayed a significantly slower aerobic growth rate than the wild type in synthetic liquid media, whether rich or minimal. The growth rate of the wild type was equivalent to that of the mutant when citrate or phospholipid was employed as the sole carbon source. These two organisms also showed identical growth rates within a human macrophage-like cell line. These results suggest that the in vivo carbon source does not represent a stressful condition for the bacilli, since it appears to be utilized in a similar RelMtb-independent manner. In vitro growth in liquid media represents a condition that benefits from RelMtb-mediated adaptation. Long-term survival of the

-more-

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Display 4/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

relMtb mutant during in vitro starvation or nutrient run out in normal media was significantly impaired compared to that in the wild type. In addition, the mutant was significantly less able to survive extended anerobic incubation than the wild-type virulent organism. Thus, the RelMtb protein is required for long-term survival of pathogenic mycobacteria under starvation conditions.

DESCRIPTORS:
MAJOR CONCEPTS: Cell Biology; Metabolism; Nutrition
BIOSYSTEMATIC NAMES: Mycobacteriaceae--Mycobacteria, Actinomycetes and Related Organisms, Eubacteria, Bacteria, Microorganisms
ORGANISMS: Mycobacterium **tuberculosis** (Mycobacteriaceae)--strain-H37Rv
COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms
CHEMICALS & BIOCHEMICALS: **RelA**; SpoT; hyperphosphorylated guanine ; Mycobacterium **tuberculosis rel** gene
MISCELLANEOUS TERMS: cell survival; gene expression; stringent response

-more-

? d s4/9/5
Display 4/9/5 (Item 1 from file: 24)
DIALOG(R)File 24:CSA Life Sciences Abstracts

0001989789 IP ACCESSION NO: 4569434
Cloning and characterization of a bifunctional **RelA**/SpoT homologue from Mycobacterium **tuberculosis**

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H
Division of Infectious Diseases, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999
PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English

-more-

?
Display 4/9/5 (Item 1 from file: 24)
DIALOG(R)File 24:CSA Life Sciences Abstracts

SUMMARY LANGUAGE: English
ISSN: 0378-1119
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids Abstracts; Genetics Abstracts

ABSTRACT:
A 2.2 kb ***relA*** /spoT homologue was isolated from Mycobacterium ***tuberculosis*** (Mtb) genomic DNA by PCR-amplification. The Mtb gene encodes a protein of 738 amino acid residues, and is flanked upstream by an ORF that is highly similar to the apt gene, and downstream by an ORF that is highly similar to the cypH gene. This dual function Mtb homologue belongs to the **relA**/spoT family of genes that mediate the stringent response by regulating the synthesis and degradation of guanosine 3',5'-bis(diphosphate) (ppGpp) and pppGpp. In vitro biochemical data indicate that purified **Rel** sub(Mtb) is a ribosome- and tRNA-independent ATP:GTP/GDP/ITP 3'-pyrophosphoryltransferase. Additionally, purified **Rel** sub(Mtb) is an Mn super(2+)-dependent,

-more-

?
Display 4/9/5 (Item 1 from file: 24)
DIALOG(R)File 24:CSA Life Sciences Abstracts

ribosome and tRNA-independent, (p)ppGpp 3'-pyrophosphohydrolase. These reactions were also assessed in vivo in E. coli deleted in both the ***relA*** and spoT genes, which generates a (p)ppGpp super(0) phenotype. **Rel** sub(Mtb) can suppress this phenotype and can generate more (p)ppGpp than ***relA*** in the wild type E. coli control.

DESCRIPTORS: DNA; Polymerase chain reaction; Gene amplification; SpoT protein; **RelA** protein; Mycobacterium **tuberculosis**
SUBJ CATG: 02740, Genetics and evolution; 14640, Structure & sequence; 07320, Bacterial genetics

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      Set  Items  Description
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HILIGHT set on as ''
? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>>         135 is unauthorized
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      Set  Items  Description
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? s mycobacteria and (rel or relA)
          158213  MYCOBACTERIA
           31601  REL
           13093  RELA
      S1      71  MYCOBACTERIA AND (REL OR RELA)
? s mycobacteria and (rel or relA or "relA/SpoT")
          158213  MYCOBACTERIA
           31601  REL
           13093  RELA
               4  RELA/SPOT
      S2      71  MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT")
? rd s2

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
      S3      27  RD S2  (unique items)
? s mycobacteria and (rel or relA or "relA/SpoT") (5n) promoter?
          158213  MYCOBACTERIA
           31601  REL
           13093  RELA
               4  RELA/SPOT
         1258435  PROMOTER?
            1049  ((REL OR RELA) OR RELA/SPOT)(5N)PROMOTER?
      S4      13  MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT") (5N)
                  PROMOTER?
? rd s4

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
      S5       5  RD S4  (unique items)
? d s5/3/1-5
      Display 5/3/1     (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0015468249   BIOSIS NO.: 200510162749
Identification and characterization of rel promoter element of
  Mycobacterium tuberculosis
AUTHOR: Jain Vikas; Sujatha Subbanna; Ojha Anil Kumar; Chatterji Dipankar
  (Reprint)
AUTHOR ADDRESS: Indian Inst Sci, Mol Biophys Unit, Bangalore 560012,
  Karnataka, India**India
AUTHOR E-MAIL ADDRESS: dipankar@mbu.iisc.ernet.in
JOURNAL: Gene (Amsterdam)  351 p149-157 MAY 23 2005 2005
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

                                - end of record -
?
      Display 5/3/2     (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

  142445863    CA: 142(24)445863z    JOURNAL
  Mycobacteria Inhibition of IFN-γ Induced HLA-DR Gene Expression by
  Up-Regulating Histone Deacetylation at the Promoter Region in Human THP-1
  Monocytic Cells
  AUTHOR(S): Wang, Yue; Curry, Heather M.; Zwilling, Bruce S.; Lafuse,
William P.
  LOCATION: Departments of Molecular Virology, Immunology, and Medical
Genetics, Ohio State University, Columbus, OH, 43210, USA
  JOURNAL: J. Immunol. (Journal of Immunology)  DATE: 2005  VOLUME: 174
```

NUMBER: 9 PAGES: 5687-5694 CODEN: JOIMA3 ISSN: 0022-1767 LANGUAGE: English PUBLISHER: American Association of Immunologists

- end of record -

?

Display 5/3/3 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

142442913 CA: 142(24)442913e PATENT
Mycobacteria relA gene promoter for high-throughput screening for inhibitors against Mycobacteria under low carbon conditions
INVENTOR(AUTHOR): Chatterjee, Deepankar
LOCATION: USA
ASSIGNEE: Council of Scientific & Industrial Research
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505
APPLICATION: US 2004764553 (20040127) *US 2003PV442511 (20030127)
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B; G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

?

Display 5/3/4 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

121074885 CA: 121(7)74885f JOURNAL
Transcription and expression analysis, using lacZ and phoA gene fusions, of Mycobacterium fortuitum β-lactamase genes cloned from a natural isolate and a high-level β-lactamase producer
AUTHOR(S): Timm, J.; Perilli, M. G.; Duez, C.; Trias, J.; Orefici, G.; Fattorini, L.; Amicosante, G.; Oratore, A.; Joris, B.; et al.
LOCATION: Unite Genet. Mycobact., Inst. Pasteur, 75724, Paris, Fr.
JOURNAL: Mol. Microbiol. DATE: 1994 VOLUME: 12 NUMBER: 3 PAGES: 491-504 CODEN: MOMIEE ISSN: 0950-382X LANGUAGE: English

- end of record -

?

Display 5/3/5 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0370433 DBR Accession No.: 2005-16139 PATENT
New promoter derived from Mycobacterium tuberculosis, useful for high throughput screening and developing inhibitors of M. tuberculosis under low carbon or starved conditions - promoter and expression vector for use in drug screening and high throughput screening
AUTHOR: CHATTERJEE D
PATENT ASSIGNEE: COUNCIL SCI and IND RES INDIA 2005
PATENT NUMBER: US 20050095252 PATENT DATE: 20050505 WPI ACCESSION NO.: 2005-344982 (200535)
PRIORITY APPLIC. NO.: US 764553 APPLIC. DATE: 20040127
NATIONAL APPLIC. NO.: US 764553 APPLIC. DATE: 20040127
LANGUAGE: English

- end of record -

?
? s pGEMT (n) easy and mycobacter?
207 PGEMT
474066 EASY
63 PGEMT(N)EASY
464198 MYCOBACTER?
S6 0 PGEMT (N) EASY AND MYCOBACTER?
? s pGEMT and (rel or relA)
207 PGEMT
31601 REL
13093 RELA

```
      S7       0  PGEMT AND (REL OR RELA)
? e au=chatterjee, deepankar

Ref    Items  Index-term
E1         1  AU=CHATTERJEE, DEBRATA
E2        11  AU=CHATTERJEE, DEEPAK KUMAR
E3         1 *AU=CHATTERJEE, DEEPANKAR
E4       334  AU=CHATTERJEE, DELPHI
E5         1  AU=CHATTERJEE, DEVARSHI
E6        43  AU=CHATTERJEE, DEVASIS
E7        42  AU=CHATTERJEE, DEVESH
E8        21  AU=CHATTERJEE, DEVJANI
E9         6  AU=CHATTERJEE, DEVNANDAN
E10        1  AU=CHATTERJEE, DHEEMAN
E11       20  AU=CHATTERJEE, DHIMAN
E12        5  AU=CHATTERJEE, DHRUBA J.

          Enter P or PAGE for more
? e au=chatterjee deepankar

Ref    Items  Index-term
E1         5  AU=CHATTERJEE DEBDUTTA
E2         3  AU=CHATTERJEE DEBNATH M
E3         0 *AU=CHATTERJEE DEEPANKAR
E4       119  AU=CHATTERJEE DELPHI
E5         1  AU=CHATTERJEE DEVASHIS
E6        97  AU=CHATTERJEE DEVASIS
E7        21  AU=CHATTERJEE DEVJANI
E8         2  AU=CHATTERJEE DEVLINA
E9        16  AU=CHATTERJEE DHIMAN
E10       12  AU=CHATTERJEE DHRUBA J
E11        1  AU=CHATTERJEE DHRUBA P
E12        3  AU=CHATTERJEE DILIP

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